THEERAPHOL WATTANAVEKIN

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Education

2009- 2012   The University of Tokyo, Tokyo, Japan
- Master of Engineering in Precision Engineering (Mobile Robotics Lab.), GPA 3.87/4.00

2005-2009   Chulalongkorn University, Bangkok, Thailand
- Bachelor of Engineering in Computer Engineering, First-class honours, GPA 3.61/4.00

Professional Experience Highlights

2012-Current   Big Data Department, Rakuten, Inc.

[Search Engine Administrator] (Ruby, Chef, Java and Bash)
- Deployed and migrated our in-house global search platform for 12 services in Japan and many other countries all over the world such as UK (Play.com), Spain, Malaysia, Indonesia and etc.
- Administrated on large-scale clusters (>> 1000 nodes) including with many open sources components such as Hadoop, Zookeeper, Cassandra and Solr
- Introduced Chef automation framework which resulted in reducing man-hour by ~80% of all operation

[Infrastructure developer] (Node.js, Angular.js, MySQL and Golang)
- Designed, developed and maintained a hardware inventory system and its API to automate whole infrastructure provisioning in both Japan and Europe data centers (>> 1000 physical servers)
- Automated deployment tools and infrastructure configurations using Chef framework

2007-2008   Robot Club, Chulalongkorn University

[Club President & Robocup Soccer Team Leader]
- Led team to win 1st place in World Robocup Championship, Suzhou, China, 2008
- Managed team of different roles and backgrounds composed of mechanical, electrical and computer engineers, delegated responsibilities among 16 members, led team in implementation, and communication between different roles
- Developed firmware and embedded system as a main processer on soccer robots (FPGA/Verilog)
- Created ball-kicker power tuner application (C#) for AI in robot soccer which resulted in maximizing and stabilizing kick power at world competitions
- Made sponsor finding team, created organizer website (PHP & SQL) and proposed robot project plans to many organizations which leads to sponsor funds of total 1.2 million baht
- Organized robotics boot camps for new generations in university (> 100 engineers)

Selected Honors and Awards

- 1st prize, International Startup Weekend Tokyo, 2014
- 1st prize, Photo Hack Day Japan, 2014 – site: http://timetravel-gettyimages.jp
- Japanese Embassy Scholarship (MEXT) 2009-2012
- 2nd and 1st place, World Robocup Championship in 2007 and 2008 (USA & China)
- 2nd place, 11th National Software Contest (Open source software), Thailand, 2009
- Bronze Awards in Mobile Application, Samart Innovation Awards, 2007

Selected Skills and Abilities

- **Framework:** Chef, Sails.js, Angular.js, Qt SDK, OpenCV, ROS, MRPT
- **Programming:** C/C++, Go, Node.js, Ruby, Python, Java, C#, Verilog
- **Language:** Thai(native), English (TOEIC 985), Japanese